Programmable remote control

User Manual (cable mode version)

Quick Guide

First Step

1. Prepare PC programmable remote control and 2pcs AAA battery (Don't install when programming).
2. Prepare PC programmer(transceiver) and plug into the USB port of PC.
3. Downloading and installing software in your PC(windows OS).

Second Step

1. Code Select from database
2. Connect the PIN plug of programmer to the plug of remote control, note: please uninstall the battery before this operation.
3. Program (Write)

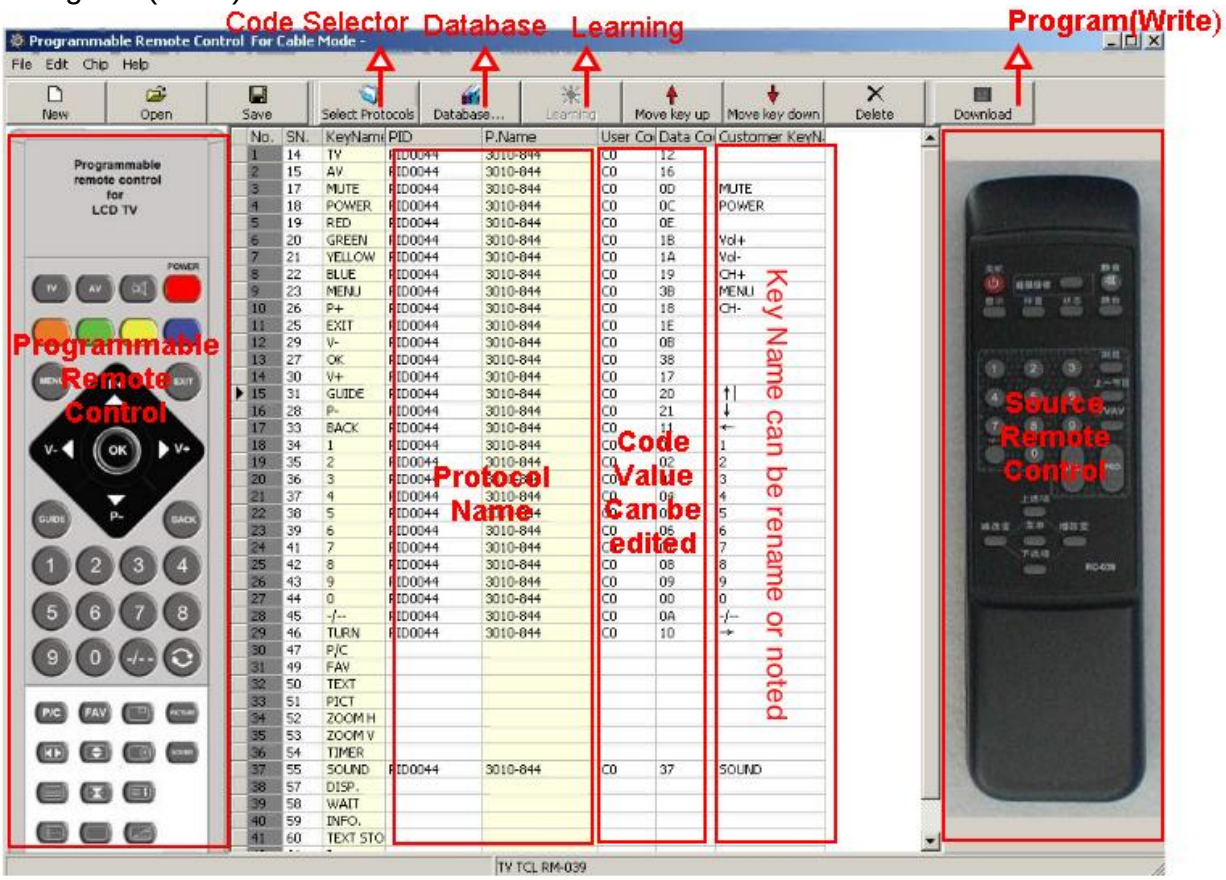

Photo 1

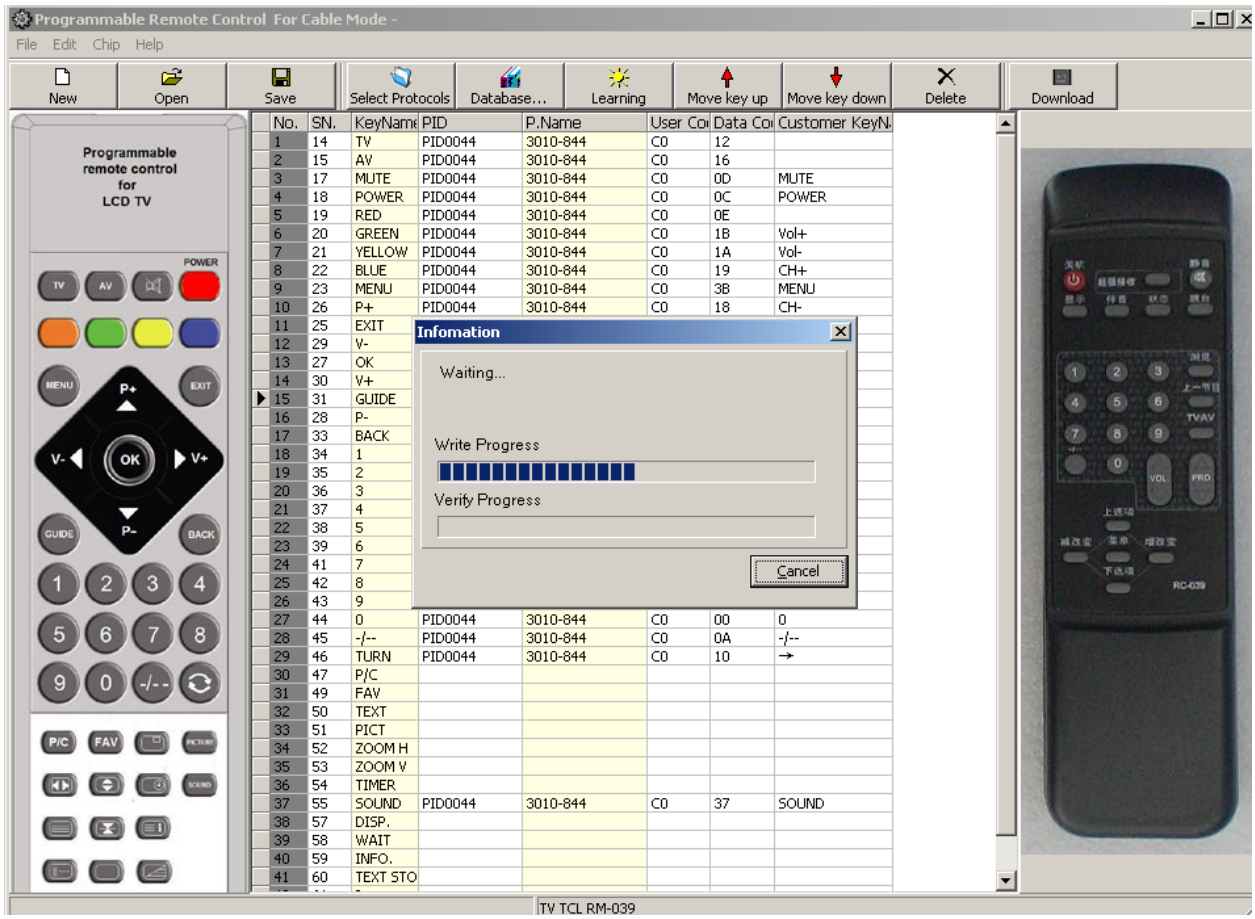

Photo 2 Program

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1, Description

1) USB/Cable mode PC programmable remote control is mainly used to replace single code remote control, which is normally original remote control.
Software database can be setup by user. It contains protocol wave, name, code data, which is especially useful for professional distributor or dealer.

Cable mode, please see below diagram.

2) Software

- PC hardware request:
  - CPU: 800MHZ and above
  - RAM: 256Mbytes and above
  - Hard diask, 4G bytes and above
  - Operation system: Win 2000, Windows XP, Windows Vista, Windows 7

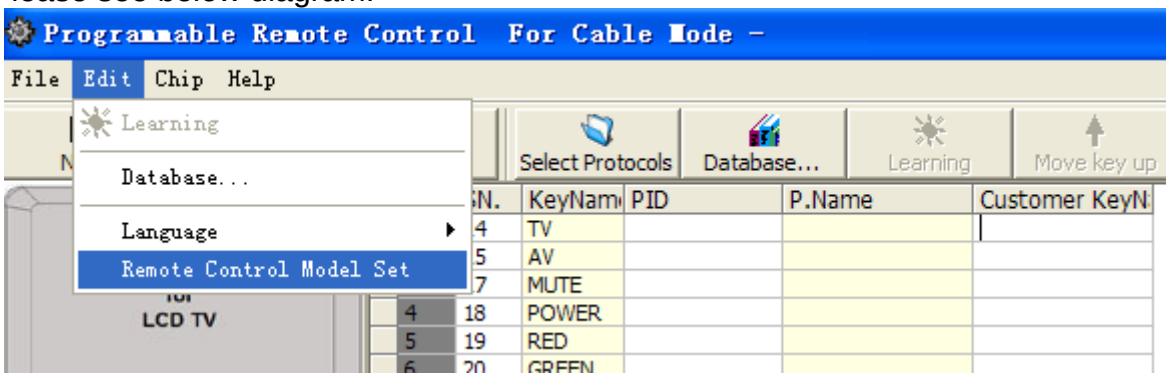
2, Remote control

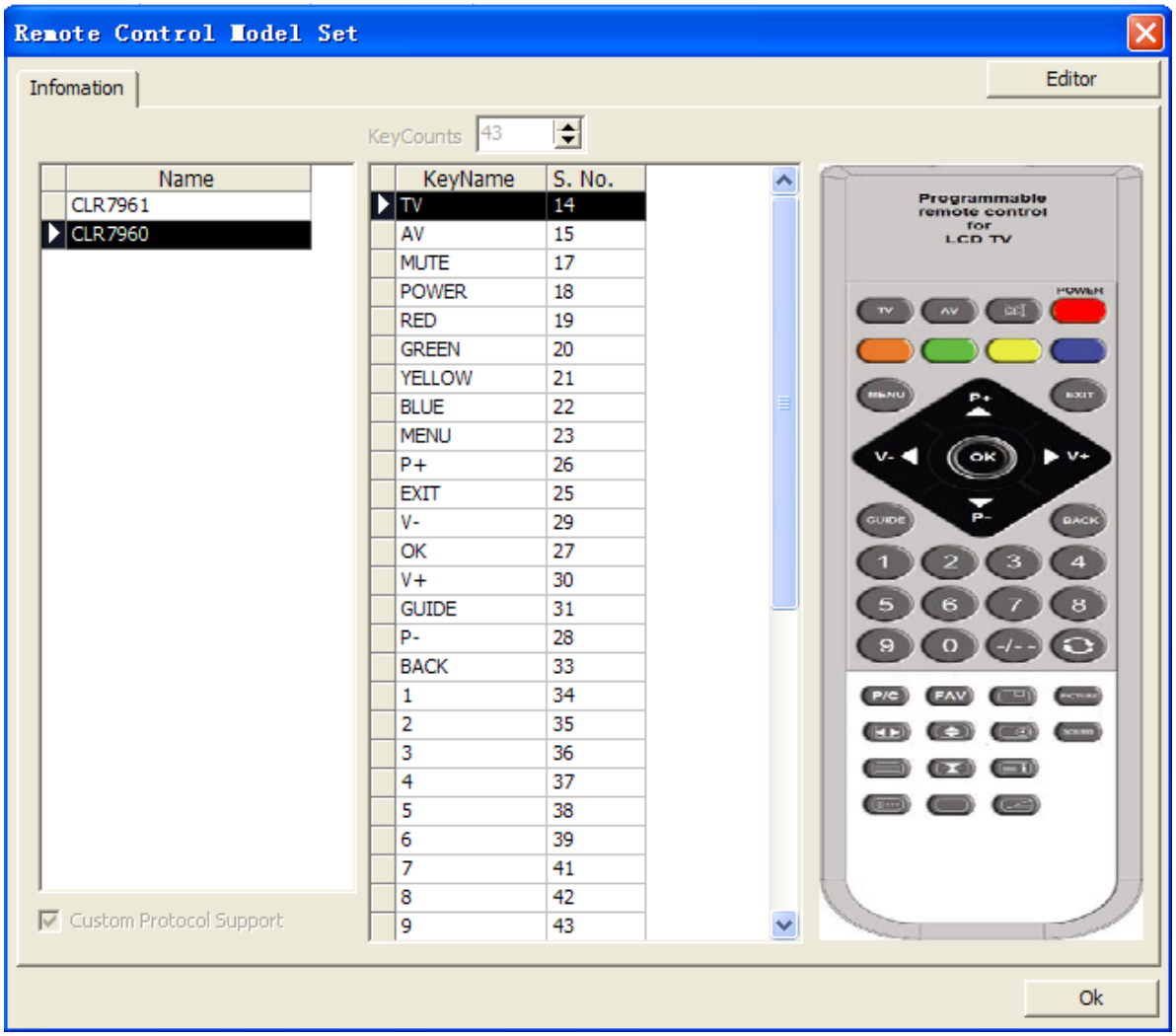
This kind of remote looks same as universal remote control. It combines near all common function keys of original remote control.

It can be programmed with any code of any device. Because its key code can be programmed to any key, we can design any kind of remote control with any key

3, Code Program

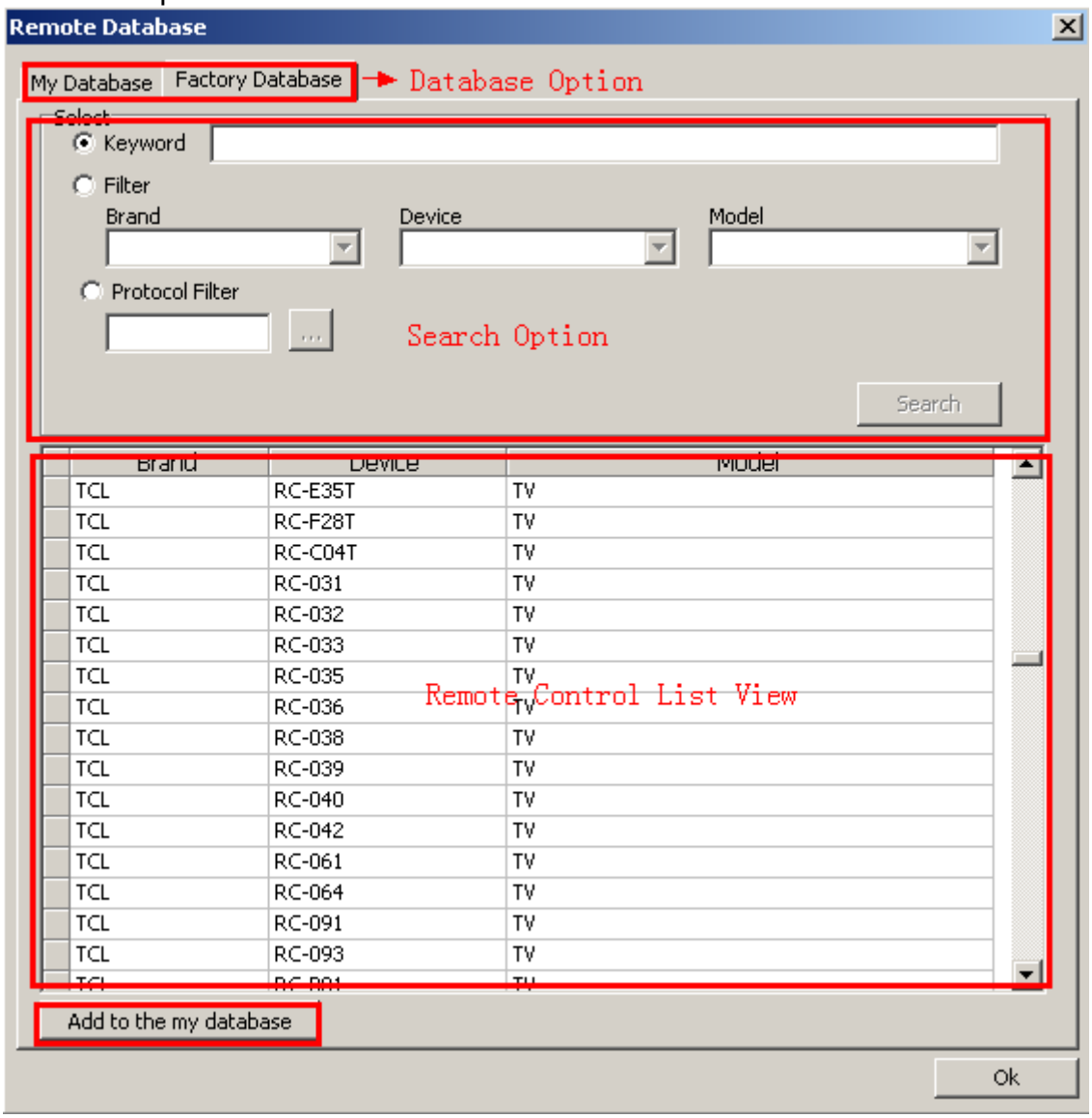
1) Run the software.
2) Select the programmable control model
3) Please see below diagram.





4) Search and select code in database

A) Please see photo 1 and find “Database” menu button, after pressing “Database” button, it appears below photo.



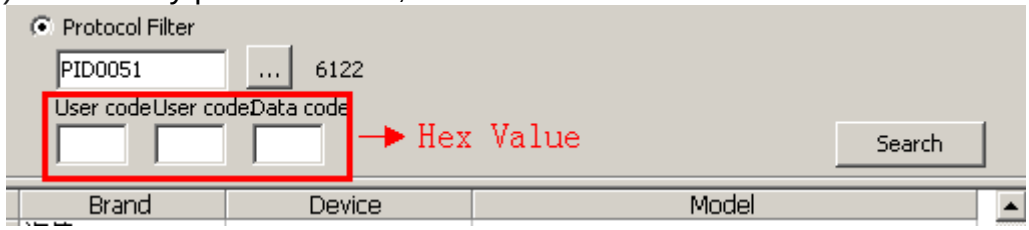
(1) My Database, Factory Database.

(2) Search option

It can be searched by Brand, Model, device type or protocol, data code.

a) Search by Brand, Model, device type

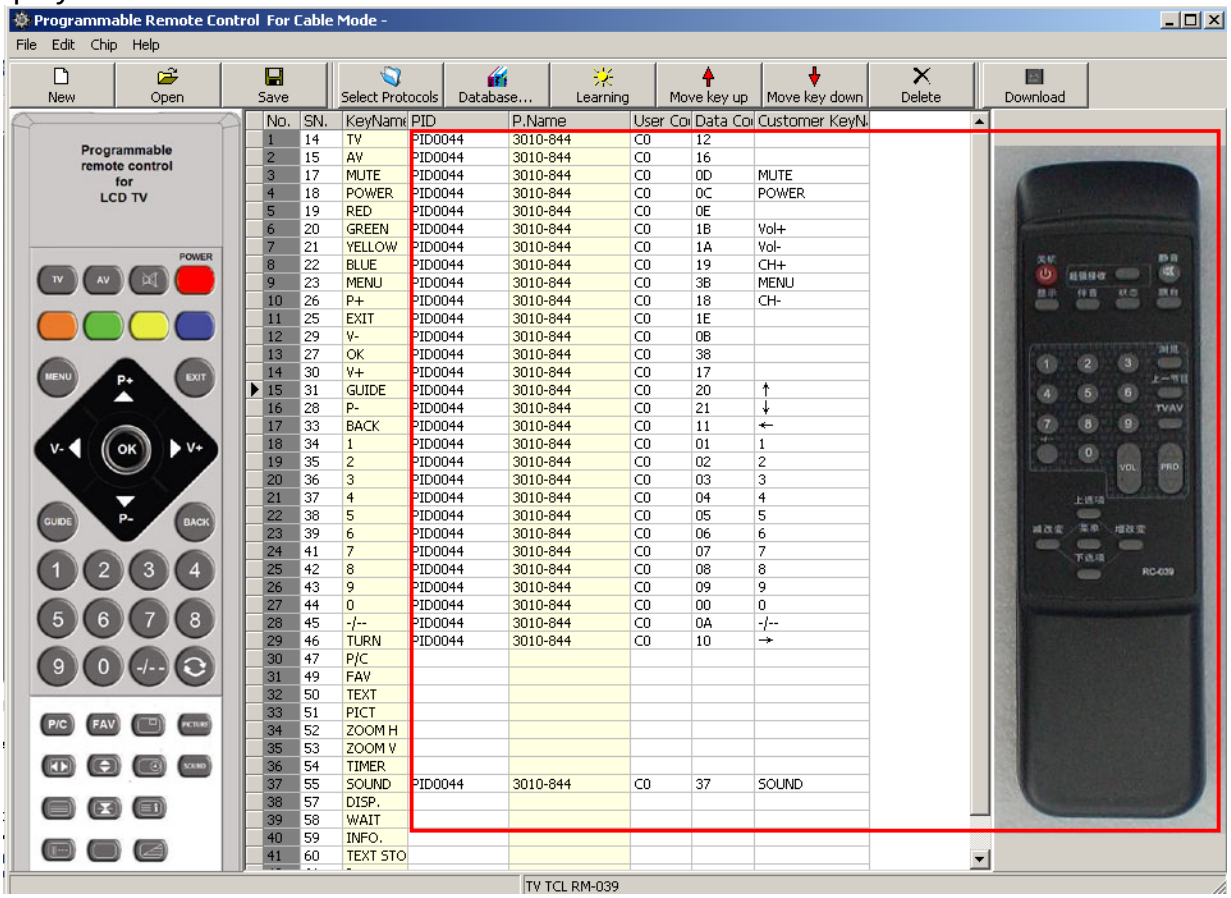
b) Search by protocol name, data code.



(3) Add to my database

Please refer to Item 6, **"Manage database".**

B) Once one of code is selected, you can press OK, then it will appear in the main list view, in the meantime, Code number, source image(if existed), brand and model name are also displayed.

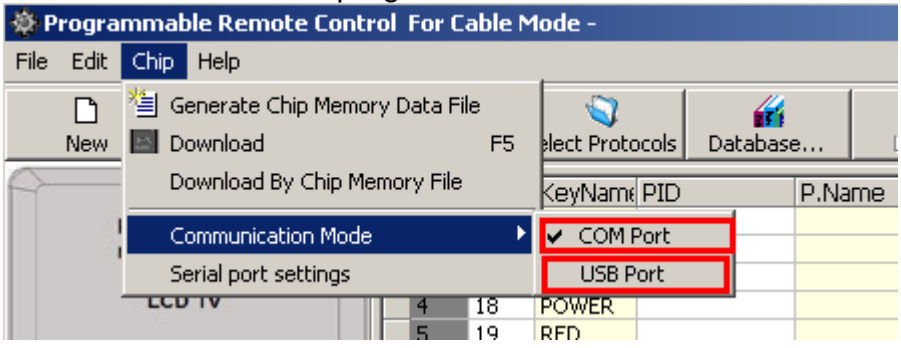

Programmable Remote Control For Cable Mode -
File Edit Chip Help
New Open Save Select Protocols Database... Learning Move key up Move key down Delete Download
No. SN. KeyName PID P.Name User Code Data Code Customer KeyName
Programmable remote control for LCD TV
TV TCL RM-039

C) Program(write)

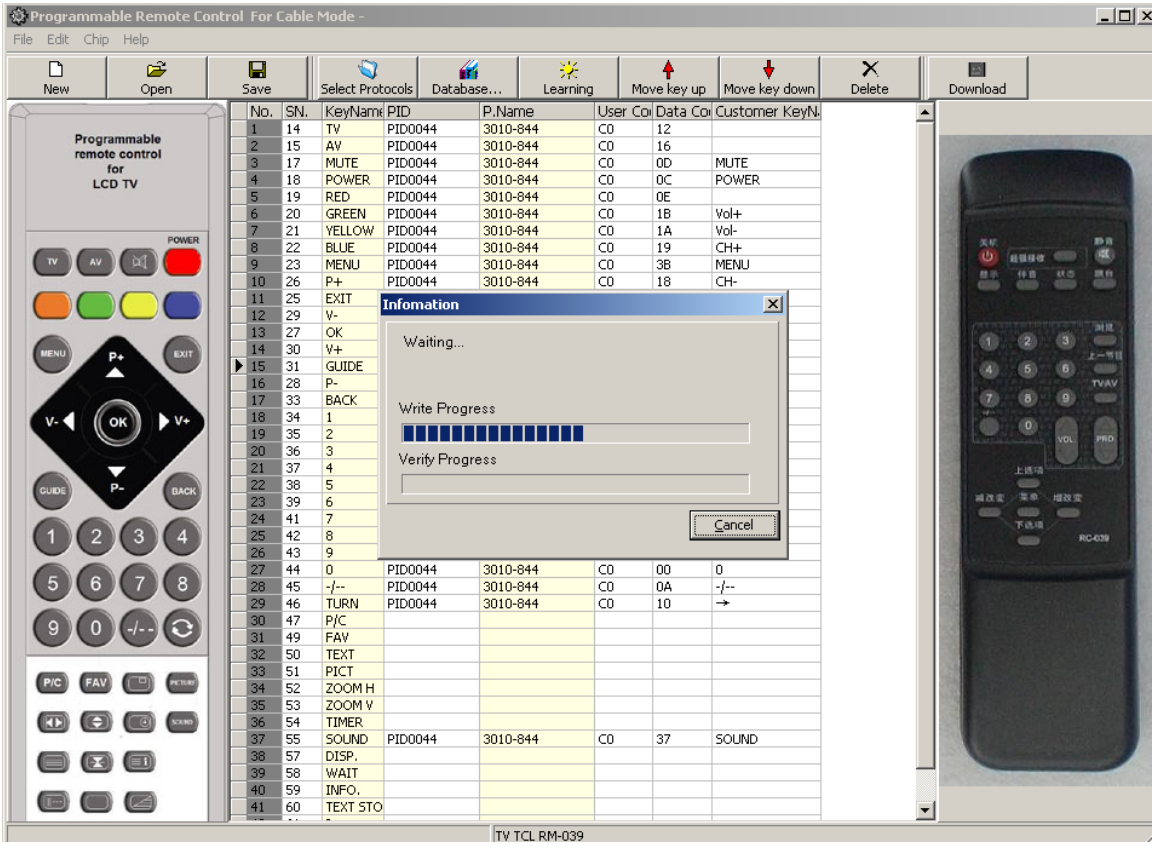
After codes are decided, connect the programmer to the programmable remote control. Please see below photo.

There are 2 kinds of programmer, one is COM/Cable type programmer, another is USB/Cable programmer.

In software, the default programmer is USB/Cable. Please refer to below photo.



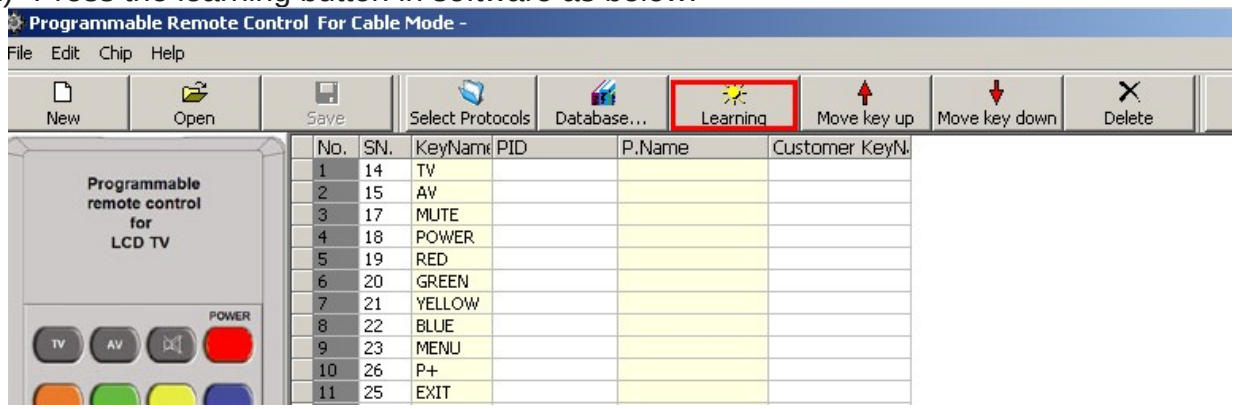
press " Download Download" menu button, then appear below photo. After it finishes, program(write) succeed.


Programmable Remote Control For Cable Mode -
File Edit Chip Help
New
Open
Save
Select Protocols
Database...
Learning
Move key up
Move key down
Delete
Download
Programmable remote control for LCD TV
Infomation
Waiting...
Write Progress
Verify Progress
Cancel
TV TCL RM-039

4, Code Learn

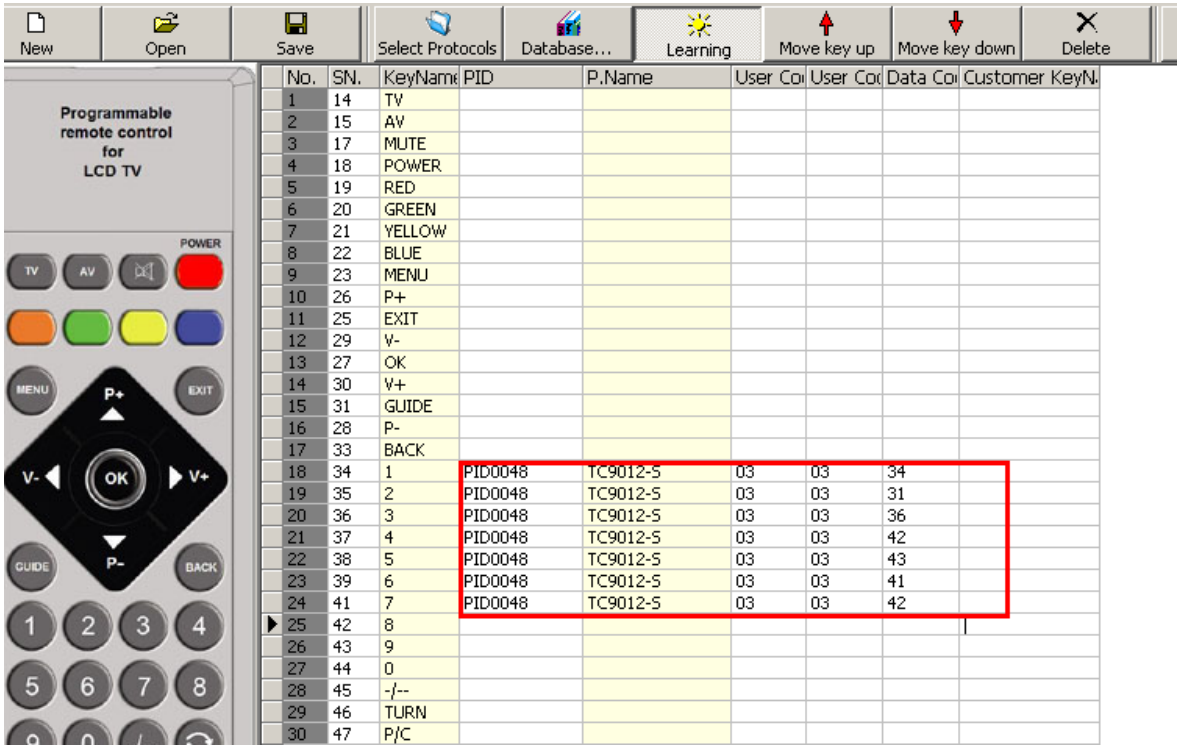
Note: COM/Cable type programmer doesn't have learning function.

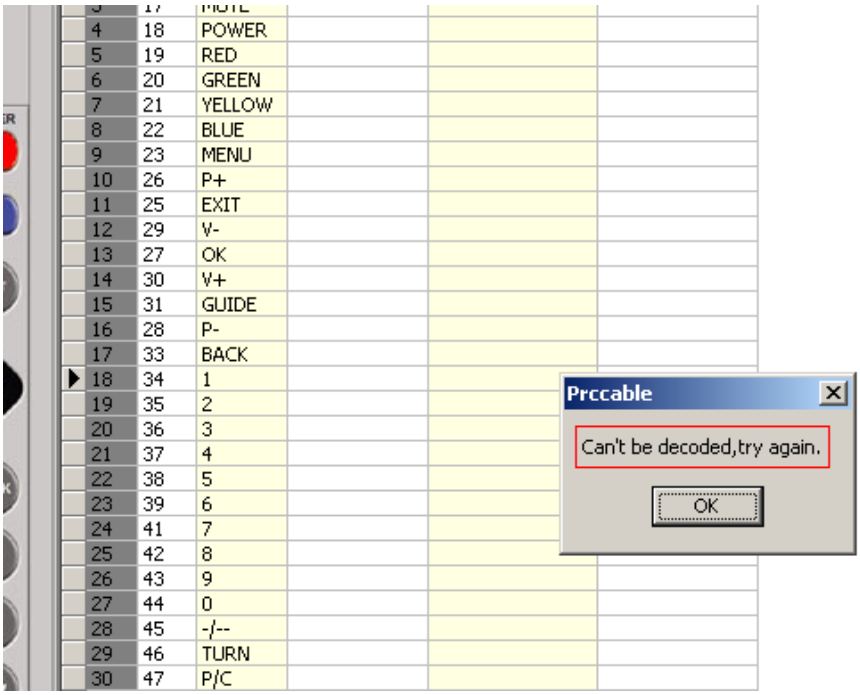
1) Press the learning button in software as below.



2) Place the original remote control toward the programmer, leave 2-10cm.

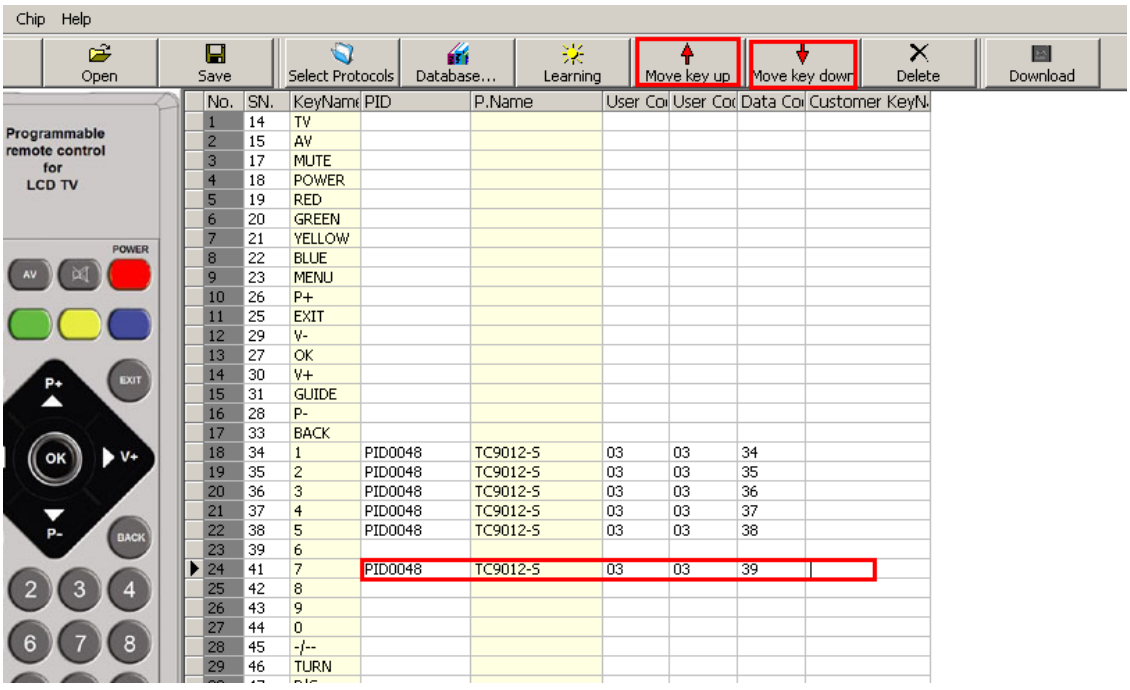
3) Then, place the cursor to the key line you want to learn, then press key. PC receives the IR signal and will display the codes of learning result.





If the learning result appears above diagram, please adjust the distance and position of remote control, try more time. If it fail finally, that means it indeed can't be decoded.

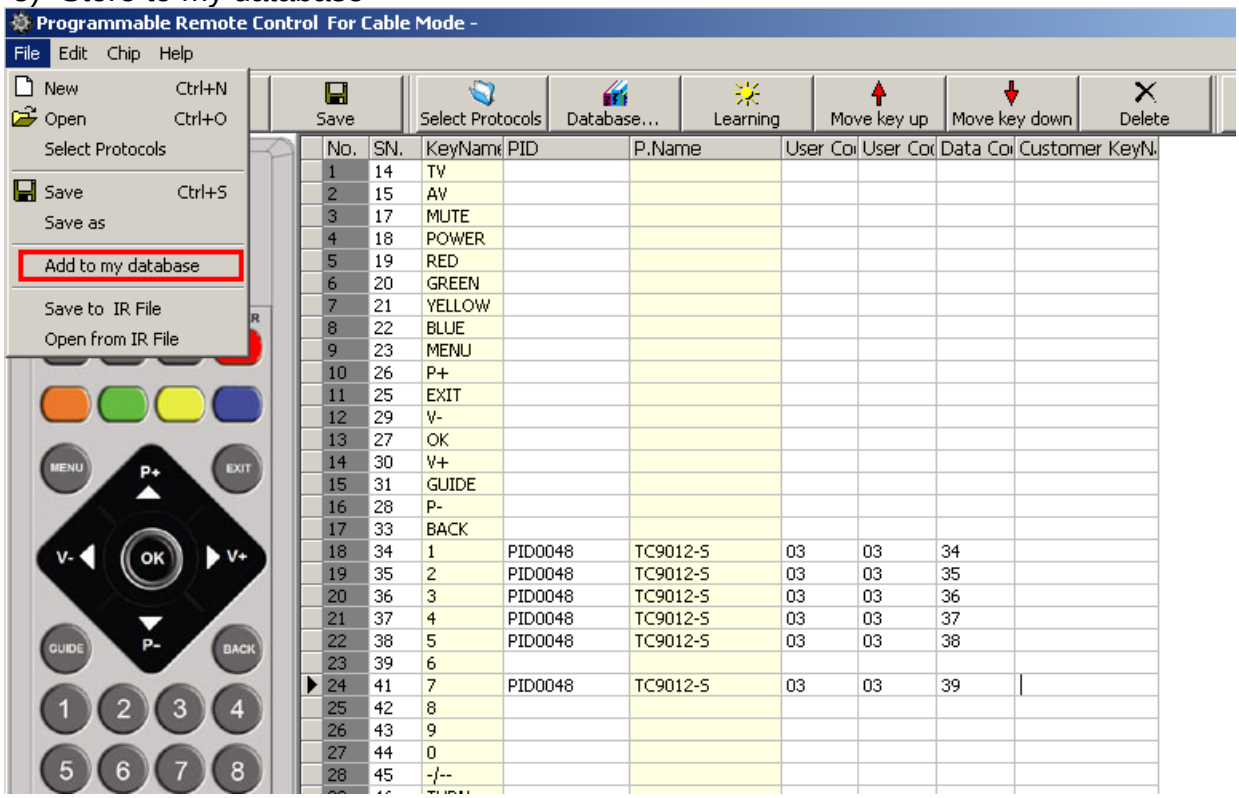
4) Key code adjust



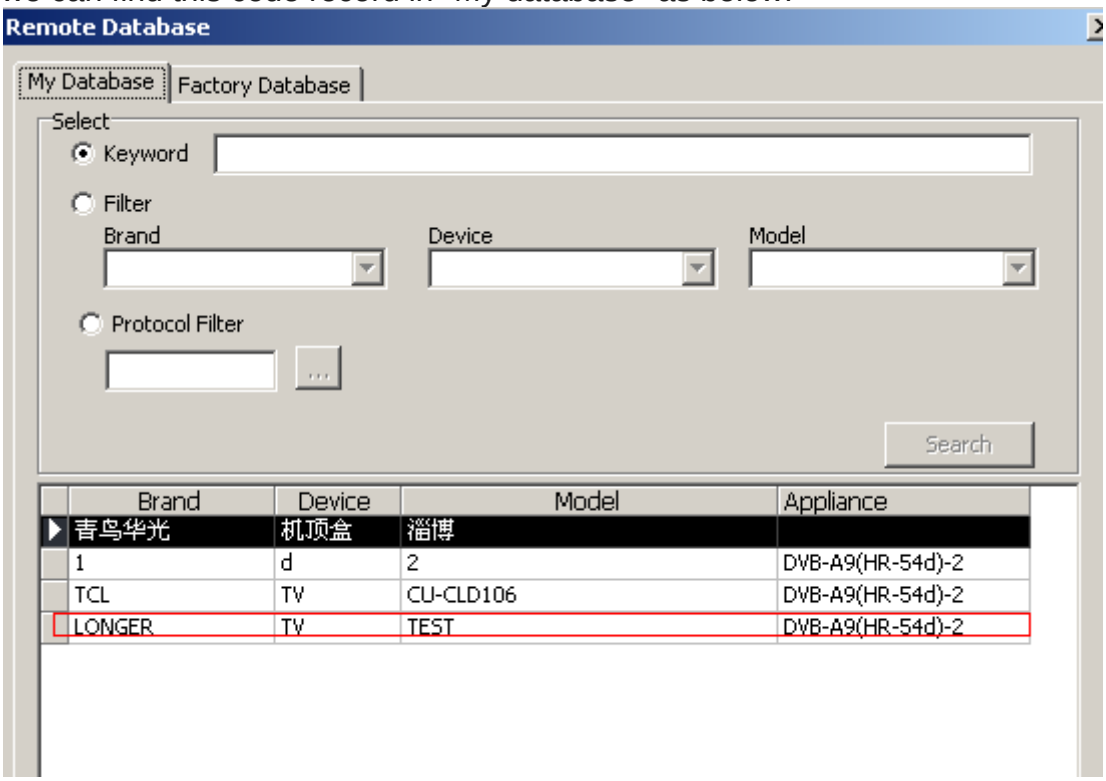
No.	SN.	KeyName	PID	P.Name	User Co	User Co	Data Co	Customer KeyN.
1	14	TV						
2	15	AV						
3	17	MUTE						
4	18	POWER						
5	19	RED						
6	20	GREEN						
7	21	YELLOW						
8	22	BLUE						
9	23	MENU						
10	26	P+						
11	25	EXIT						
12	29	V-						
13	27	OK						
14	30	V+						
15	31	GUIDE						
16	28	P-						
17	33	BACK						
18	34	1	PID0048	TC9012-S	03	03	34	
19	35	2	PID0048	TC9012-S	03	03	35	
20	36	3	PID0048	TC9012-S	03	03	36	
21	37	4	PID0048	TC9012-S	03	03	37	
22	38	5	PID0048	TC9012-S	03	03	38	
23	39	6						
24	41	7	PID0048	TC9012-S	03	03	39	
25	42	8						
26	43	9						
27	44	0						
28	45	-/--						
29	46	TURN						

You can add or edit a custom key name, then press "up" and "down" arrow button, that means you adjust the code position.

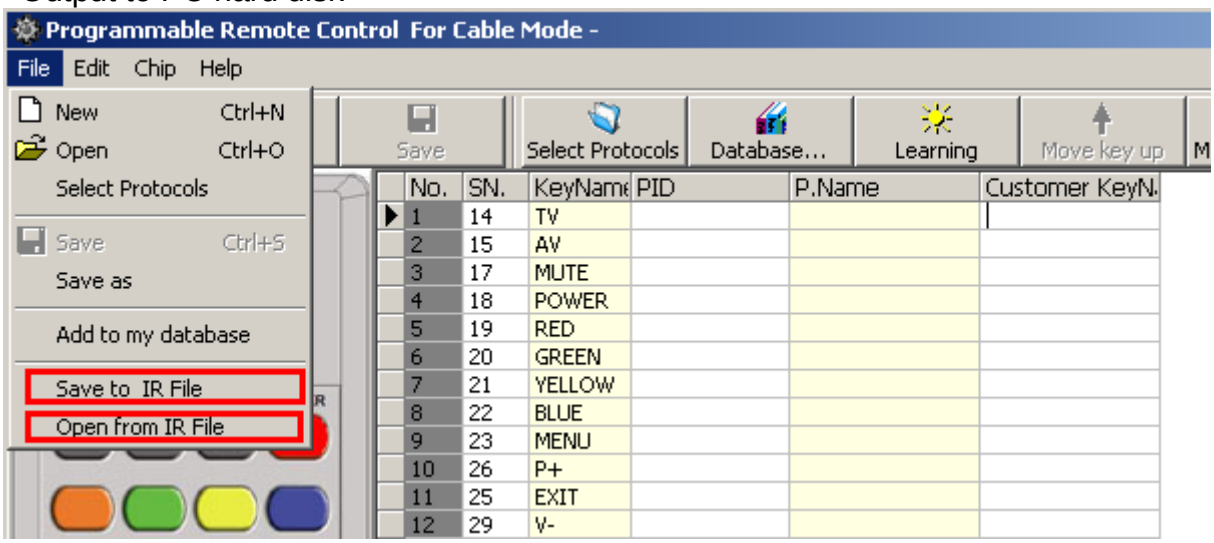
5) Store to my database

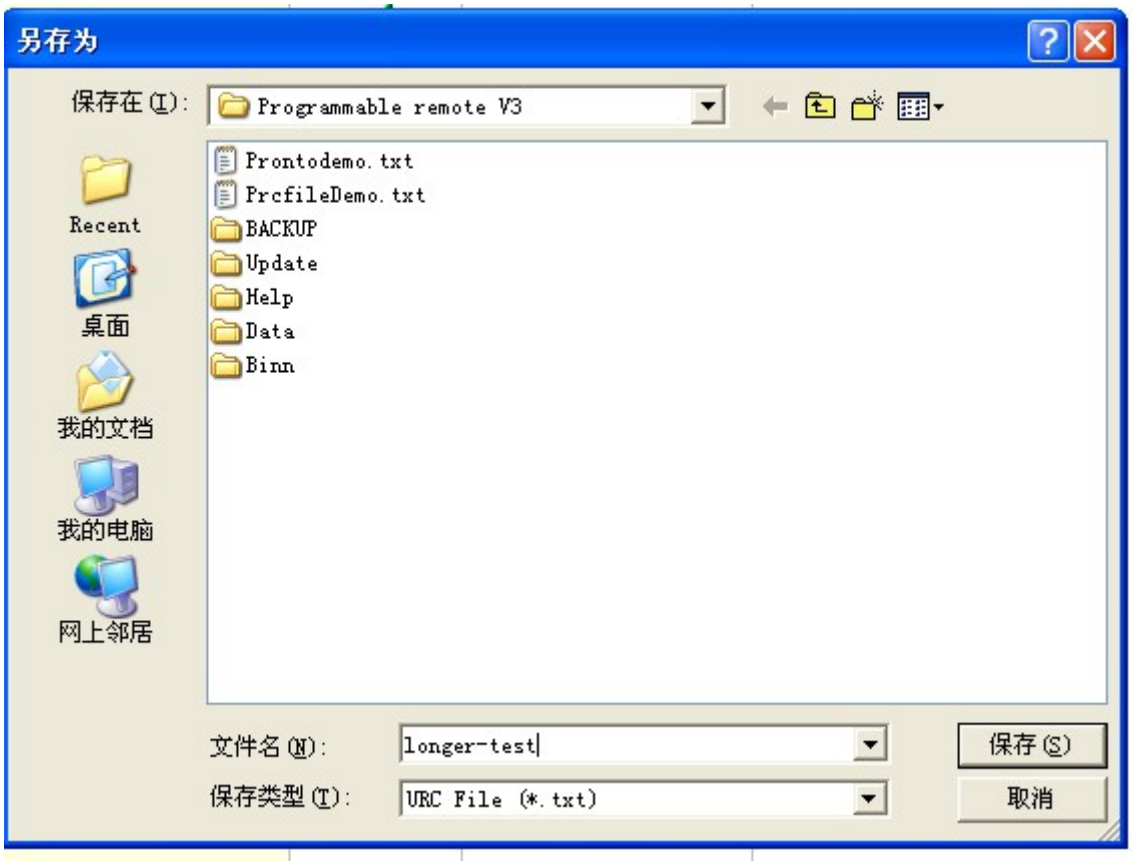


Then, we can find this code record in "My database" as below.

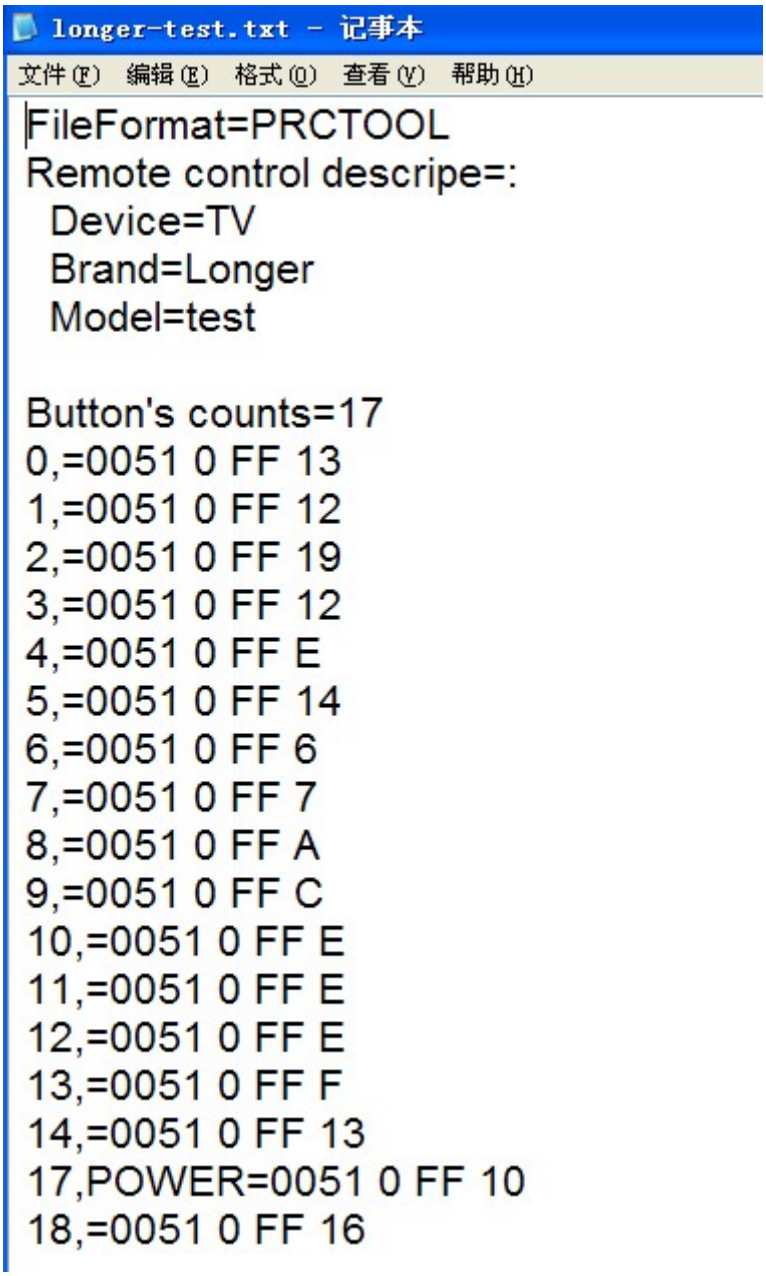


6) Output to PC hard disk





Then you can find the Longer-test.txt file in harddisk. Let's open this txt file, we can see as below.


longer-test.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
FileFormat=PRCTOOL
Remote control descripe=:
Device=TV
Brand=Longer
Model=test
Button's counts=17
0,=0051 0 FF 13
1,=0051 0 FF 12
2,=0051 0 FF 19
3,=0051 0 FF 12
4,=0051 0 FF E
5,=0051 0 FF 14
6,=0051 0 FF 6
7,=0051 0 FF 7
8,=0051 0 FF A
9,=0051 0 FF C
10,=0051 0 FF E
11,=0051 0 FF E
12,=0051 0 FF E
13,=0051 0 FF F
14,=0051 0 FF 13
17,POWER=0051 0 FF 10
18,=0051 0 FF 16

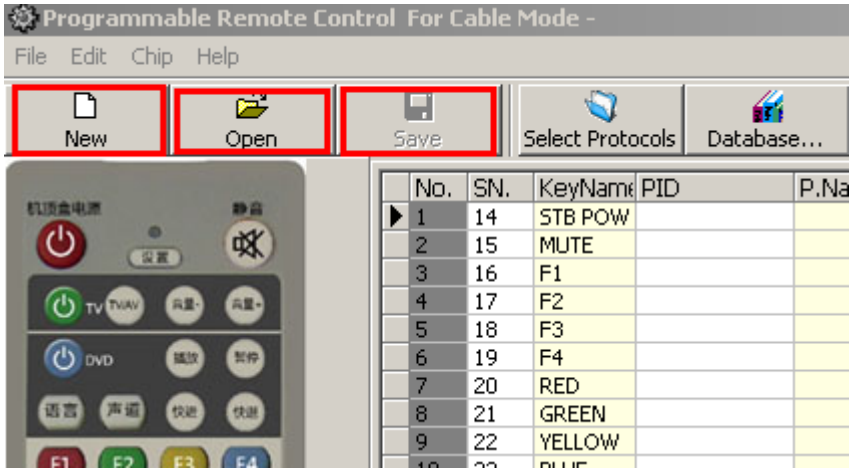
5 File

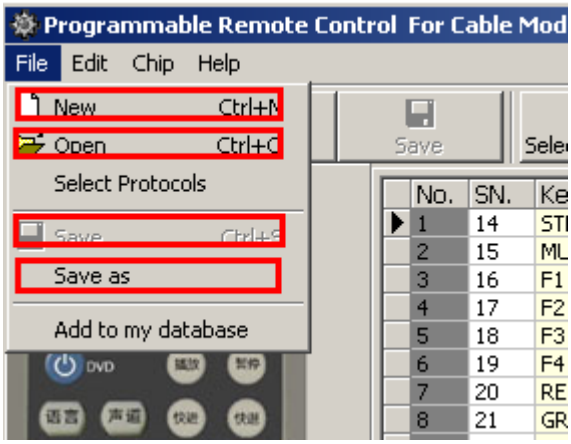
There are 2 kinds of files.

- Original remote control code file

  It contains the DEVICE TYPE, BRAND, MODEL, PHOTO, PROTOCOL, DATA CODE. Its extension file is .irf. This is generated from CLR900x IR management tool.

  It can be used to any programmable remote control.





  A)New, to setup a new code.

  B)Open, to open a exist code.

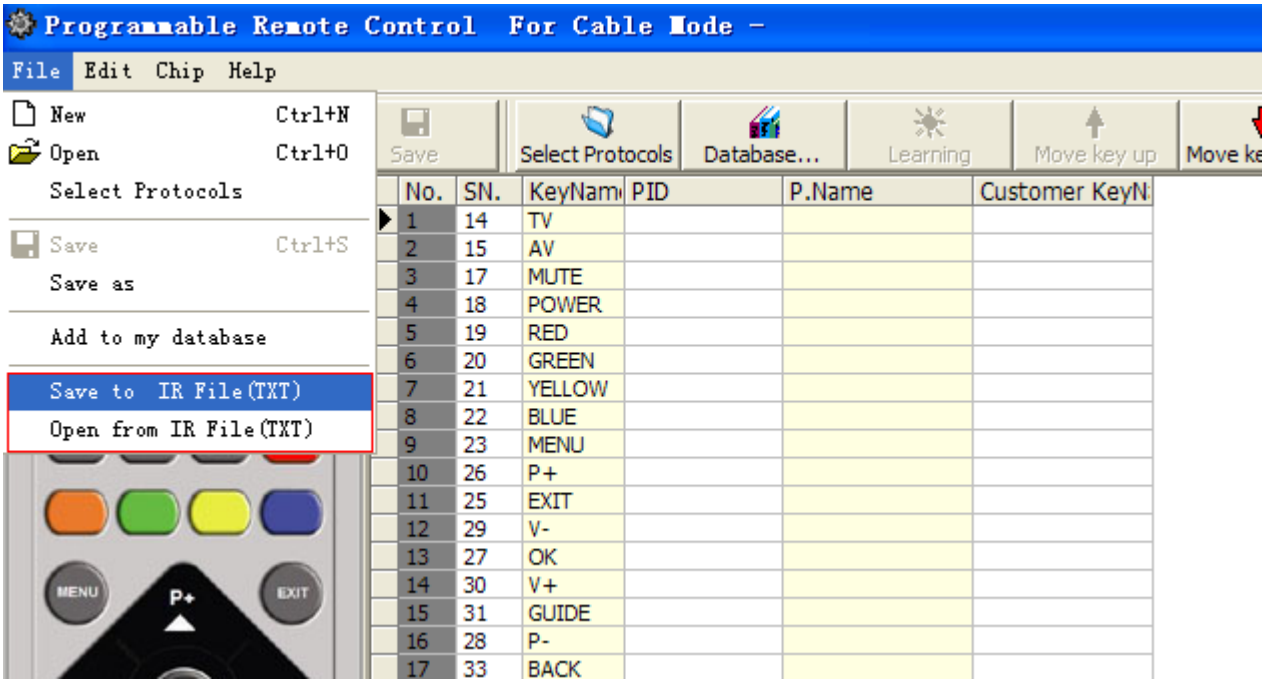
  C)Save, to save current opened code into database.

  D)Save as, to save current opened code as a another code into database.

- Common remote code file

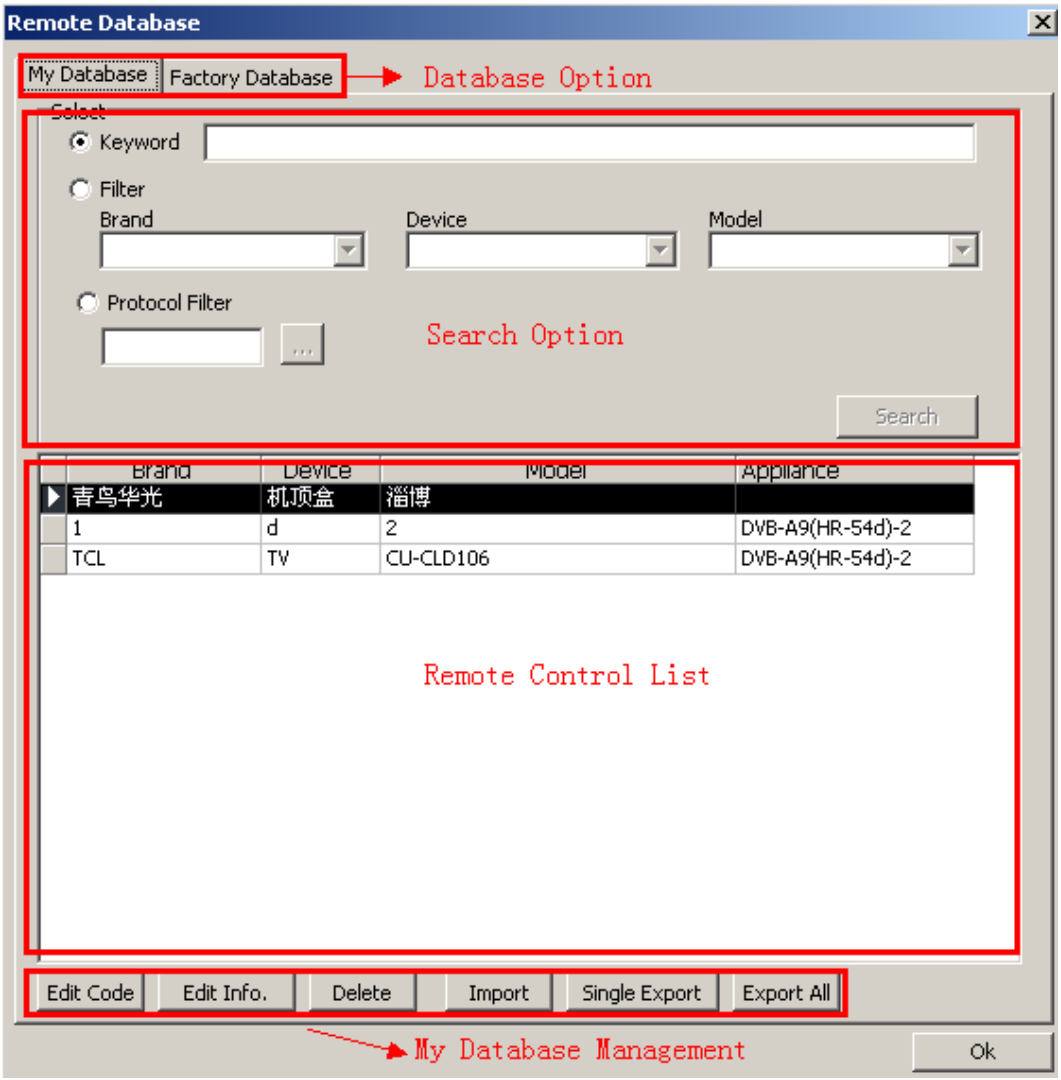
This code file only contains DEVICE TYPE, BRAND, MODEL, PROTOCOL, DATA CODE and target programmable remote control model, without PHOTO. Its extension file is .txt.

When you select a model of programmable remote control and one original remote control code from database, you can store this project into database or output to a file. This project makes it easy to programme the often-used remote control.



6, Manage database

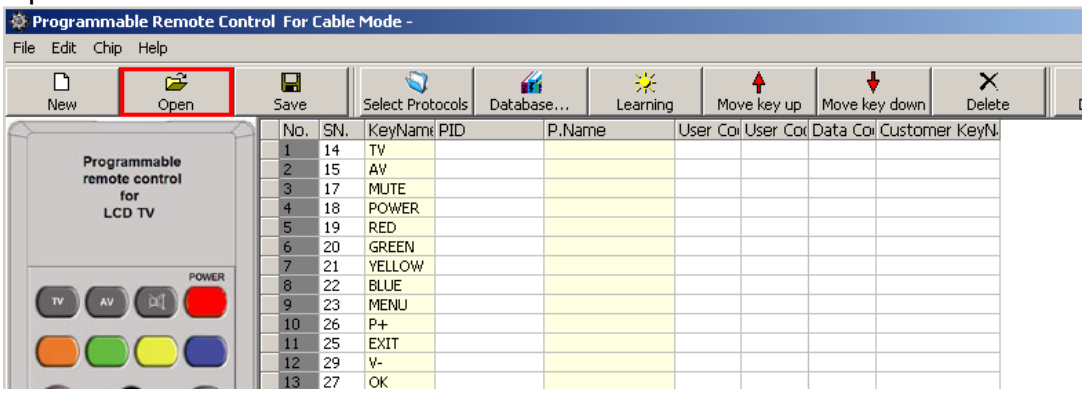
1) The code info in My database and "Internet shared database" can be added, deleted, imported/outputted. It lets the VIP user setup own database.

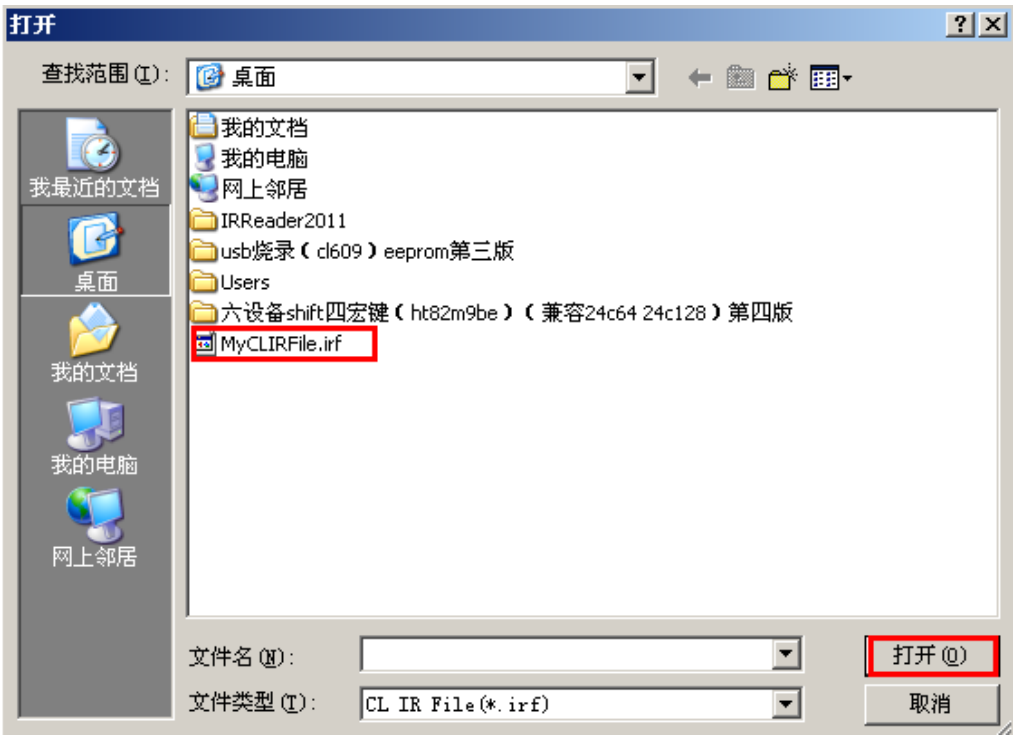


2) My database

New code in my database can be imported from CL IR file, "Factory database", learning code.

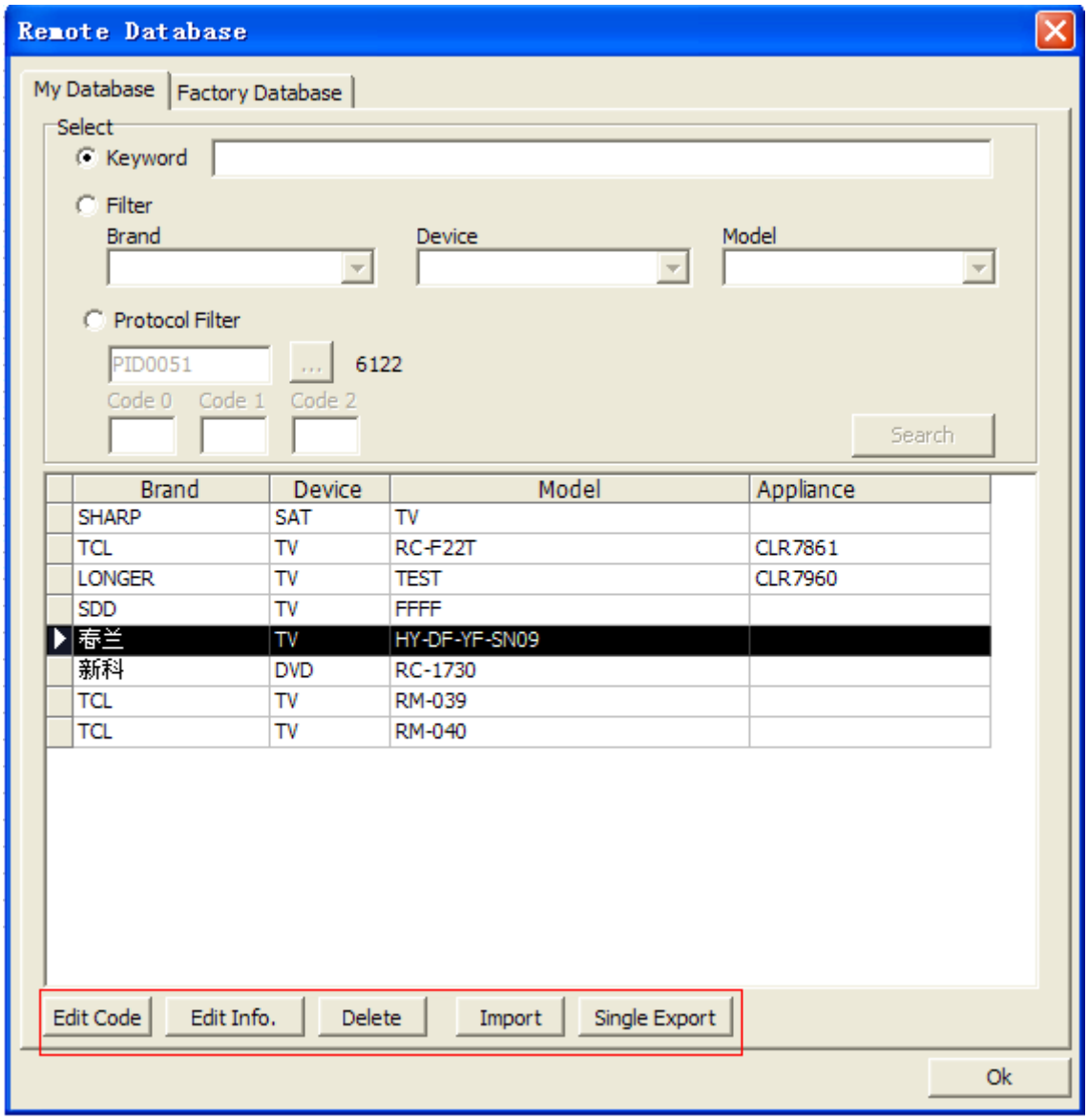
a) Open a IR file

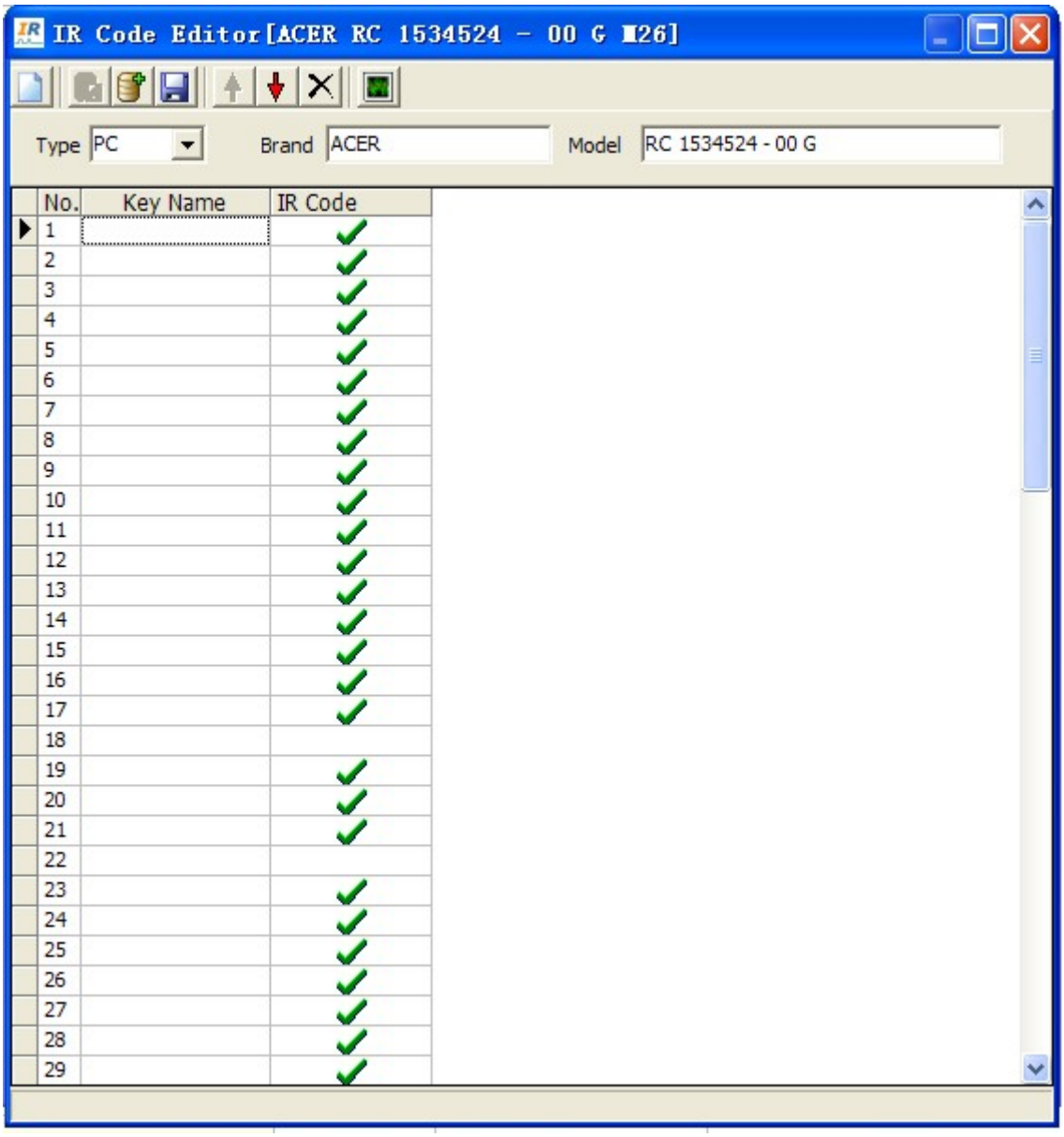




b) Add to my database from "Factory database", and learning code
c) Code learn
Refer to item 4 “Code learn” to learn how to get a code by learning.

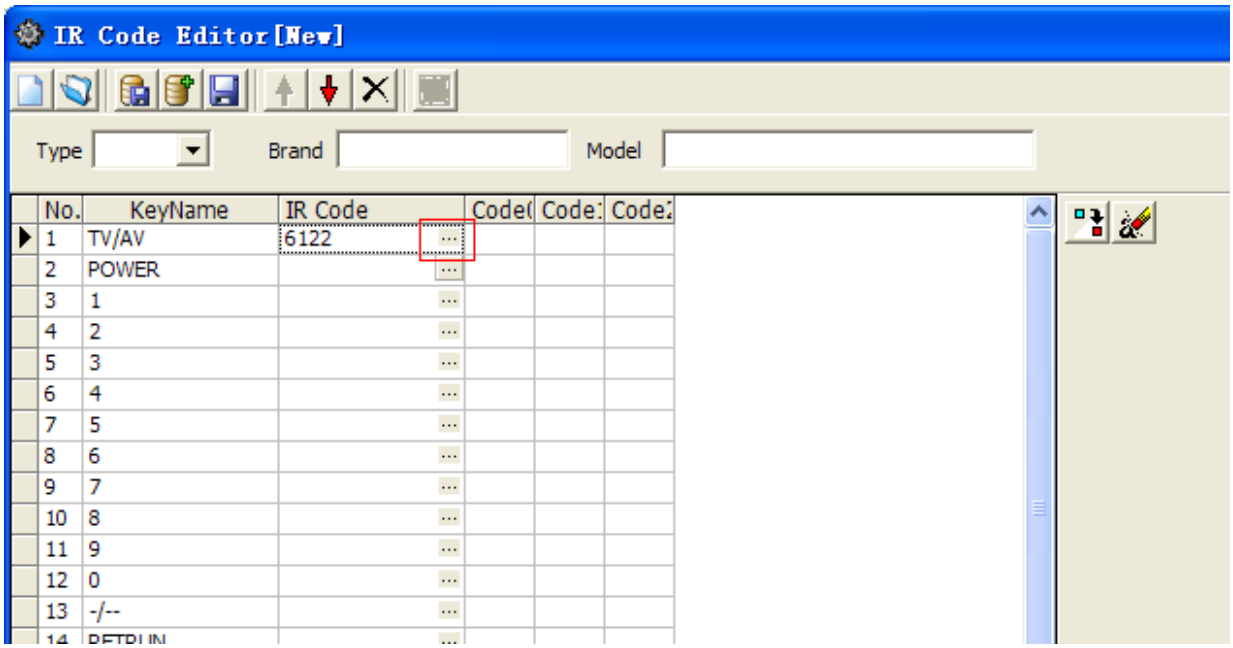
2.1) Edit the code in “My Database”
Select one code as below photo, click right button of Mouse, it appears below option.
a) Delete
b) Copy to new
c) Rename Info
d) Edit Code


Remote Database
My Database
Factory Database
Select
Keyword
Filter
Brand
Device
Model
Protocol Filter
PID0051
...
6122
Code 0
Code 1
Code 2
Search
Brand
Device
Model
Appliance
SHARP
SAT
TV
TCL
TV
RC-F22T
CLR7861
LONGER
TV
TEST
CLR7960
SDD
TV
FFFF
春兰
TV
HY-DF-YF-SN09
新科
DVD
RC-1730
TCL
TV
RM-039
TCL
TV
RM-040
Edit Code
Edit Info.
Delete
Import
Single Export
Ok

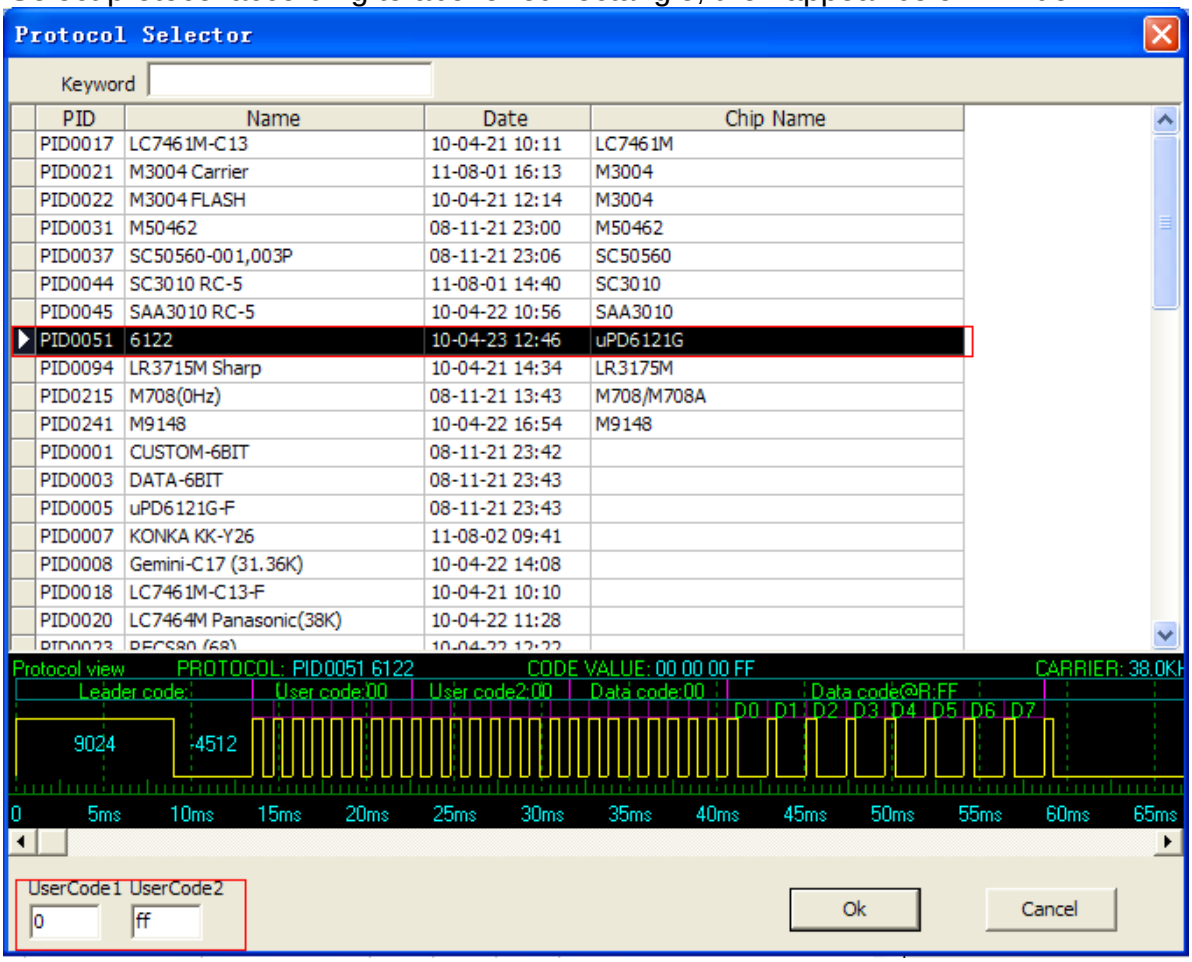


There are below functions to edit code.

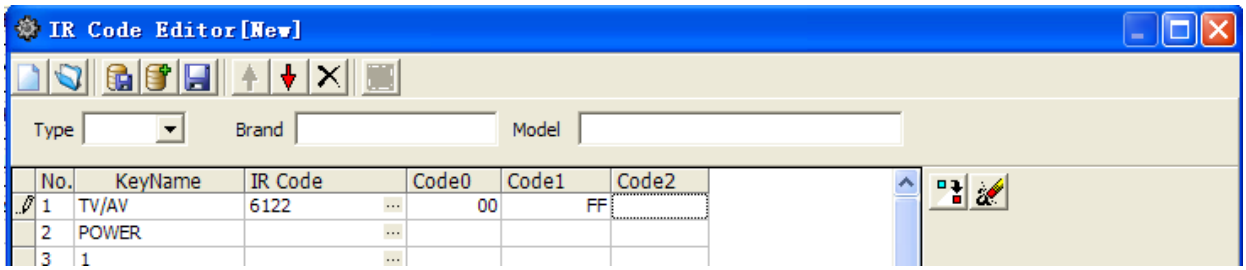
a) New



Select protocol according to above red rectangle, then appear below window.

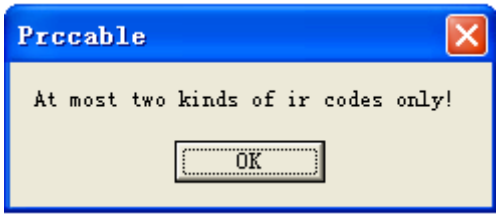


You can fill in custom code in the bottom of window, result is below.



Then, you can fill in data code in “Code2”.
Repeat above procedure, you can build the code of other keys.

Note: Only 2 protocols can be selected.
If you select more than 2 pcs protocols, it will display error message as below.



After build key name and key codes, you can add a photo of this remote control.

b) means laod a picture.

c) erase a picture.

d) Save into my database

e) add to my database

f) save to IR file(TXT)

g) adjust up

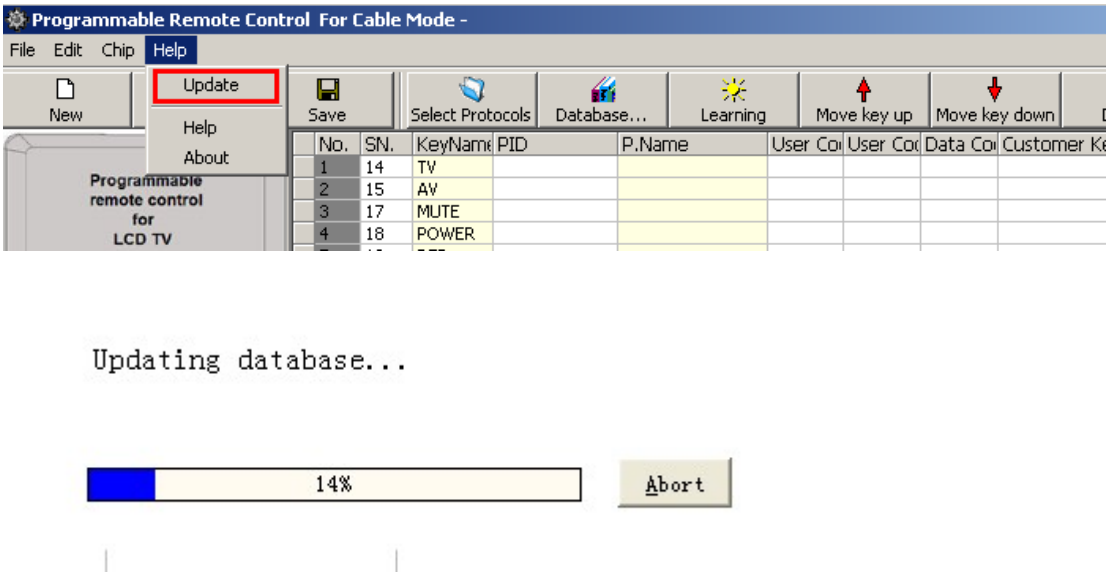
h) adjust down

i) delete

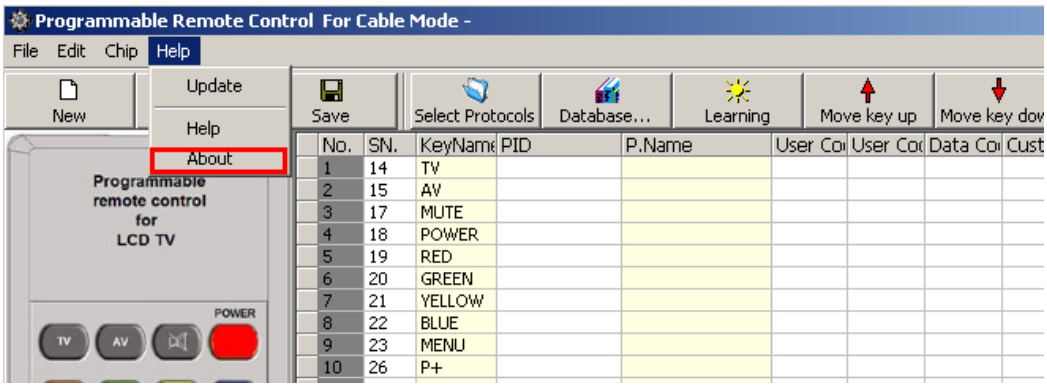
j) learning

7, Others

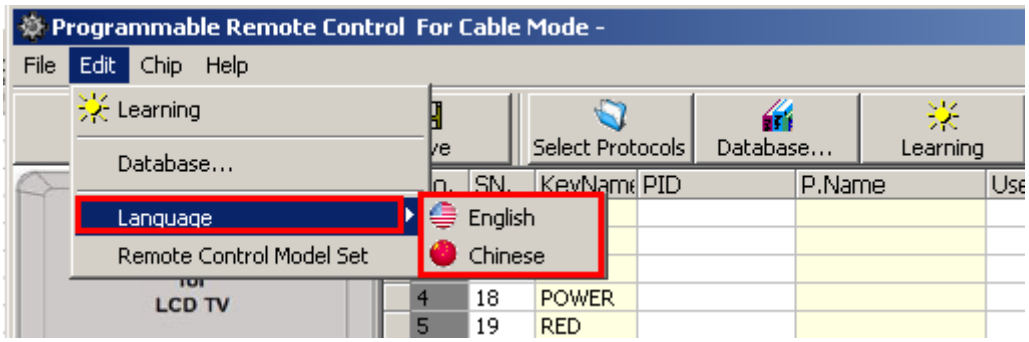
1) Updating



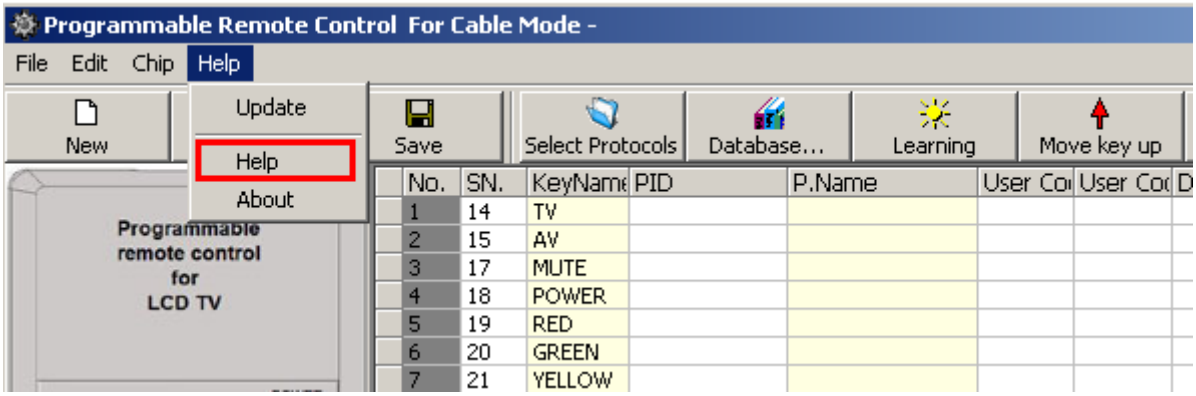
2) About



3) Language



4) Help


Programmable Remote Control For Cable Mode -
File
Edit
Chip
Help
Update
Help
About
New
Save
Select Protocols
Database...
Learning
Move key up
Programmable
remote control
for
LCD TV
No.
SN.
KeyName
PID
P.Name
User Co
User Co
1 14 TV
2 15 AV
3 17 MUTE
4 18 POWER
5 19 RED
6 20 GREEN
7 21 YELLOW

8, FAQ

1) How to get more support?
Answer: Please contact your direct supplier.

2)How to find more codes which is not included in database by yourself?
Answer: There are many ways.

a) Find a universal remote control, if you can find one code which can control your device, then you can learn it into PC software and adjust its key position.
b) Find other PC programmable remote control, search it and learn it into “My database”.
c) If you know its brand and make, you can search it in website.

9, Appendix

Protocol details as below table.

		Custom Code				Data Code	
PID No.	**Protocol Name**	**1**	**2**	**3**	**4**	**1**	**2**
PID0017	LC7461M-C13	00~FF	00~FF	00~FF	00~FF	00~FF	
PID0021	M3004 Carrier	00~1F				00~3F	
PID0031	M50462	00~FF				00~FF	
PID0037	SC50560-001,003P	00~FF				00~FF	
PID0044	SC3010 RC-5	00~FF				00~3F	
PID0045	SAA3010 RC-5	00~FF				00~3F	
PID0051	6122	00~FF	00~FF			00~FF	
PID0094	LR3715M Sharp	00~1F	00-03			00~FF	
PID0215	M708(0Hz)	00~1F				00~3F	
PID0001	CUSTOM-6BIT					00~3F	
PID0005	uPD6121G-F	00~FF	00~FF			00~FF	
PID0007	KONKA KK-Y26	00~FF				00~FF	
PID0008	Gemini-C17 (31.36K)	00~FF	00-03			00~FF	00-03
PID0020	LC7464M Panasonic(38K)	00~FF	00~FF	00~FF	00~FF	00~FF	00~FF
PID0023	RECS80 (68)	00-07				00~FF	
PID0026	M50119P	00-07				00-7F	
PID0040	MIT-C8D8(33K)	00~FF				00~FF	
PID0043	SAA3010 RC-5（36KHZ）	00~FF				00~3F	
PID0048	TC9012-S	00~FF	00~FF			00~FF	
PID0061	uPD1986C					00~1F	
PID0081	MN6014W-C5D6(36K)	00~1F				00~3F	
PID0082	MN6014A/W-C6D6	00~3F				00~3F	
PID0096	Upd6124(40K)	00-7F				00~1F	
PID0099	uPD6124-D7C13	00~FF	00~1F			00-7F	
PID0101	Victor-C8D8	00~FF				00~FF	
PID0102	Panasonic 7051	00~FF	00~FF	00~FF	00~FF	00~FF	00~FF
PID0113	Zenith S10					00~FF	
PID0176	PHILIPS RC-6	00-0F	00~FF			00~FF	
PID0254	TC9012-2	00~FF	00~FF			00~FF	
PID0255	TC9012-F	00~FF	00~FF			00~FF	
PID0259	RC-6B	00-0F	00~FF	00~FF		00-7F	00~FF
PID0263	WUXI-STB	00~FF	00~FF	00~FF		00~FF	00~FF
PID0264	RC-6M	00-0F	00~FF	00~FF		00-7F	00~FF